



Naval Surface Warfare Center Crane Division

Advance Planning Briefings for Industry

**APBI
2011**



"Warfighter Success - Supporting the Warfighter"

**29 MAR 2011 Special Missions
Vic
Makximenko**

Special Missions

Mission

Enabling **National Security** providers with rapid and proven solutions utilizing our **Technical Capabilities** and systems engineering expertise in the mission areas of Special Operations, Irregular Warfare and Maritime, Littoral Operations

Vision

To be the nationally **recognized**, **credentialed** and **leading** organization for Warrior and Platform Centric Solutions

Four Strategic Themes

- **Expand technical support left of life cycle**
- **Broaden customer base within our Technical Capabilities**
- **Enhance infrastructure capability**
- **Develop and expand Science and Technology partnerships to develop technical leadership roles**

Five Critical Areas

- **Intelligence, Surveillance and Reconnaissance Systems**
- **Indiana Test Bed**
- **Unmanned Systems Integration**
- **Science and Technology Research**
- **Intentional Critical Mass**

Intelligence, Surveillance and Reconnaissance Systems

GOAL

- Build on our existing core technical capabilities to better serve the Intelligence, Surveillance and Reconnaissance Systems community

RATIONALE

- Broaden credentials and increase advocacy in support of national security challenges

OBJECTIVES

- Develop key partnerships to enhance our support in Intelligence, Surveillance and Reconnaissance systems in support of war fighter demand

Indiana Test Bed

GOAL

- Develop an open architecture test bed that networks and connects Indiana's Defense Infrastructure (Indiana National Guard and NSWC Crane) to other National Assets, virtually, to support testing, training and experimentation

RATIONALE

- Expand a unique capability in support of national security challenges

OBJECTIVES

- Develop the capability to instrument and execute full up mission scenarios using current and prototype technologies for testing, training, and assessment
- Develop key partnerships to enable civilian/military academic institutions, United States government agencies and industry partners access to facilities on site or virtually for experimentation

Unmanned Systems Integration

GOALS

- Respond to the demand signal for Unmanned Systems payload development and platform integration

RATIONALE

- Leverage existing expertise in manned platform integration to adapt to emerging war fighter needs

OBJECTIVES

- Enhance capability to integrate, test, assess and train Unmanned Systems configurations
- Develop key partnerships to enhance our support in Unmanned Systems Integration in support of war fighter demand

Science and Technology Research

GOAL

- Enhance Science & Technology capabilities and technology transition opportunities through collaboration with Industry, military and civilian academic institutions

RATIONALE

- Promote left of life cycle migration expertise and develop research leadership roles and recognition in support of national security challenges

OBJECTIVES

- Develop key partnerships to enhance our support of war fighter needs
- Leverage our complex infrastructure for experimentation

Intentional Critical Mass

GOAL

- Leverage our current technical products within the Special Missions Thrust Areas and capabilities to support key government agencies responsible for national security
- Provide our current customers additional technical capabilities
- Develop new ways of doing business to increase efficiencies

RATIONALE

- Enhance leadership roles in support of national security challenges

OBJECTIVES

- Focus on excellence within our technical capabilities, delivering the strongest technical contribution to the nation

Special Missions Strategic Summary

- **Four strategic themes**
 - Expand technical support left of life cycle
 - Broaden customer base within our TC's
 - Enhance infrastructure capability
 - Develop and Expand S&T partnerships to develop technical leadership roles
- **Five critical areas**
 - Intelligence, Surveillance and Reconnaissance Systems
 - Indiana Test Bed
 - Unmanned Systems Integration
 - Science and Technology Research
 - Intentional Critical Mass
- **We will not be successful achieving the goals of our focus area strategies without the contributions of our key partners and our workforce**

Questions?

Special Missions

Primary Technical Capabilities

- **Special Operations Hardware In-Service Engineering, Procurement and Sustainment**
- **Electronic Warfare (EW) Systems RDT&E/Acquisition/Sustainment**
- **Energy and Power Source AE, ISE, T&E and Sustainment**
- **Electro-Optic, AE, ISE and Sustainment**

Special Missions Thrust Areas

- **Sensors and Communications**
- **Mobility and Maneuverability**
- **Munitions and Weapons**
- **Training**



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